



WORKSTATION LEAK DETECTOR
ASM 1002



ASM 1002: ultra fast cycle time

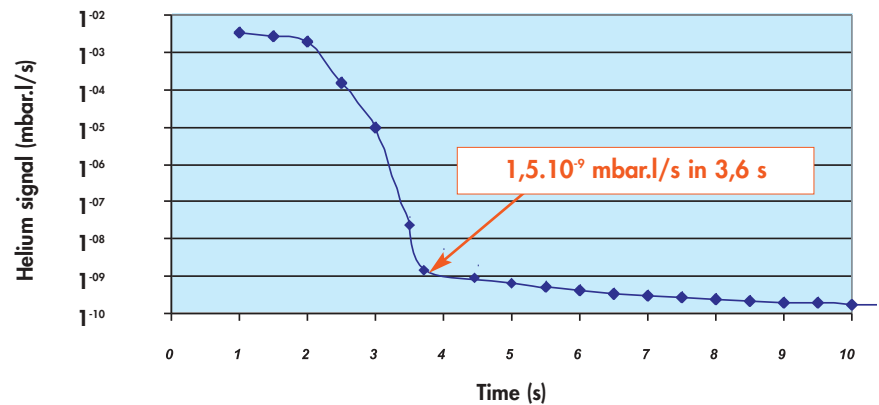
Less than 4 seconds to achieve $1 \cdot 10^{-9}$ mbar.l/s in a mass production environment.
Sealed or Open packages, the ASM 1002 delivers high performance.

Key Points

- Fastest unit of its category
- User friendly and comfortable
- High sensitivity equipment
- Rugged and reliable
- Versatile



Cycle time performance of the ASM 1002



ASM 1002: two solutions in one unit thanks to 2 softwares

1 - Sealed packages leak test software:

The ASM 1002 can achieve 1.10^9 mbar.l/s, leak testing sealed packages in less than 4 seconds (single or batch testing), which makes it the fastest unit of its category on the market.

The ASM 1002 is fully automated. As soon as the test chamber is closed, the cycle starts automatically. The powerful pumping package evacuates the test chamber and allows the unit to perform the leak tests fast and accurately. At the end of the test, the ASM 1002 will display a Pass/Fail (Green/Red indicators) response to the operator.

For a good part, the test chamber will vent back to atmosphere and will open automatically, optimizing the operator time.

For a leaking part, the Red (Fail) indicator will go off. The test chamber will remain under vacuum requesting the operator intervention to vent it back to atmosphere via a push button. This removes any interpretation out of the operator and guarantees the capture of all leaking parts.



2 - Open packages leak test software:

The software will keep the unit in test mode as long as needed to allow the operator to perform the leak test. The end of the test will be triggered by the operator.

The test chamber can be easily removed and any fixture can then be installed to facilitate the leak test of any size hybrid circuits for instance.



Applications

- Hermetically sealed electronic components
- Gauges, sensors
- Valves and fittings
- Vacuum components
- Pacemakers and medical devices
- Sample testing for food and pharmaceutical packages



Accessories

Description	PART NUMBER
Remote control	106688
Foot pedal for cycle command	100913
Head phone interface cable	A459818
Bombing chamber 10 bar	786396
Bombing chamber 25 bar	786397
Helium spray gun "elite"	109951
Helium spray gun	112535
Long distance sniffer probe	SNC1E1T1



The unique ergonomics of the ASM 1002 allows the operator to be seating comfortably while leak testing parts. There is plenty of leg room underneath the working table for the operator removing the usual burden of standing (or sitted with the body twisted) in front of a leak detector while leak testing for hours.

The ASM 1002 offers a unique vacuum module - 25 m³/h - 15 cfm (up to 50 m³/h - 30 cfm) roughing pump associated with a dedicated hybrid turbo pump (200 l/s) that delivers ultra fast cycle time. Sturdy design and low maintenance components, the ASM 1002 is an ideal production tool.



Customization (consult us):

On request, a lot of dedicated solutions can be implemented to your ASM 1002, such as:

- Dry pumping system
- Double test chamber
- Up side sealed test chamber.

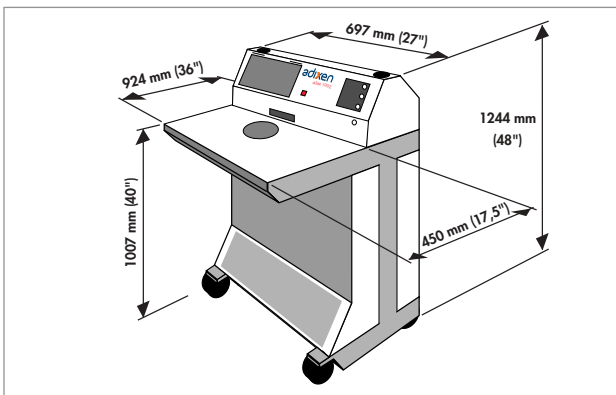
Technical specifications

ASM 1002 major features

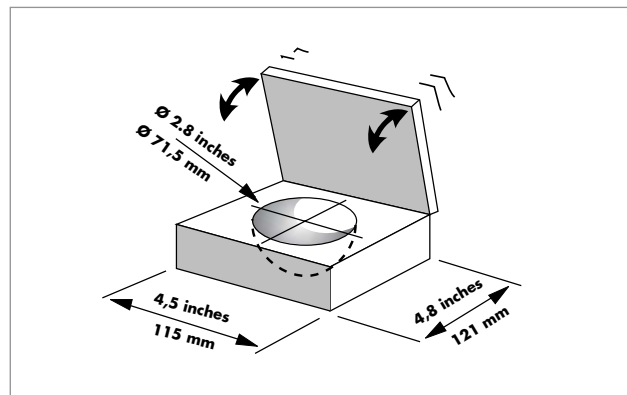
- 2 softwares: mass test production software and standard leak test software
- Three different automatic test chambers: 81 cc - 385 cc - 2 liters
- Voice synthesizer
- Automatic internal calibration process with temperature compensation
- Dual filaments cell analyzer
- Printer interface
- Low maintenance and quiet activated valves
- RS 232
- Remote control option (required for leak testing open packages)
- 3 masses option

Characteristics

Typical cycle time (test in the range of 10^9 range)	Less than 4 seconds with standard test chamber (81 cc) (without nitrogen purge!)
(*) Measurement range	$2 \cdot 10^{-11}$ to $1 \cdot 10^{-1}$ mbar.l/s
One or two roughing pumps	25 m ³ /h (15 cfm) or 50 m ³ /h (30 cfm)
Fore pump	20 m ³ /h (12 cfm)
High vacuum pump	200 l/s hybrid pump
Helium pumping speed	4.4 l/s
Power consumption (max.)	2.3 KVA
Weight	190 kg / 418 lb



Leak detector dimensions



Standard automatic test chamber (81 cc)

(*) according to AVS 2.1 and ISO 3530 standards.

Ordering information

Y 0 0 0

	Leak Detector
	ASM 1002
Code	Y

	Masses	
	Helium	3 masses
Code	0	3

	Seals for the vacuum module and analyzer cell		The leak detector can be provided with : Elastomer seals (for the high vacuum as well as the inlet bloc) as standard (R) or with metal seals for specific applications (M). The elastomer seal is the standard configuration.
	Elastomer seals	Metal seals	
Code	R	M	

	Roughing System	
	25 m ³ /h (15 cfm)	50 m ³ /h (30 cfm)
Code	S	R

	Interface board			
	Inlet Port DN25	Small Model chamber	Medium Model chamber	Large Model chamber
Code	0	1	2	3

	Remote control			
	Without	mbar.l/s	Torr.l/s	Pa.m ³ /s
Code	S	M	T	P

	Language	
	French	English
Code	A	B

	Voltage	
	110/130 V 50/60 Hz	200/240 V 50/60 Hz
Code	7	8

	Cable Type					
	USA/Japan	France/Germany	UK	Italy	Switzerland	Without cable type
Code	1	2	3	4	5	6

For example
You need ...

- ASM 1002 Y
- Masses **3**
- Elastomer seals **R**
- Standard roughing system **S**
- LM chamber **3**
- Torr.l/s **T**
- English **B**
- 110/130 V **7**
- UK **3**

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